

FIG. 1

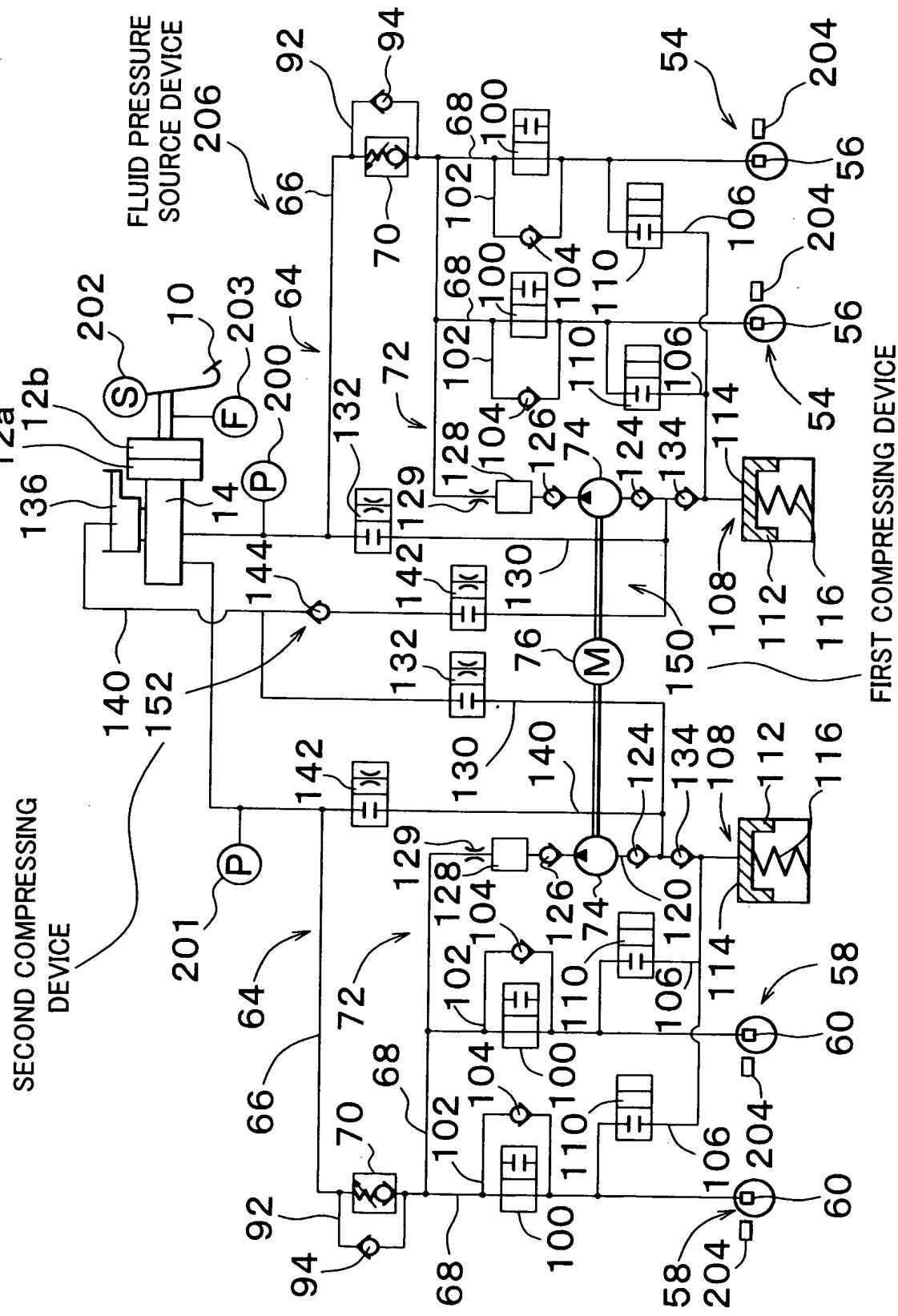
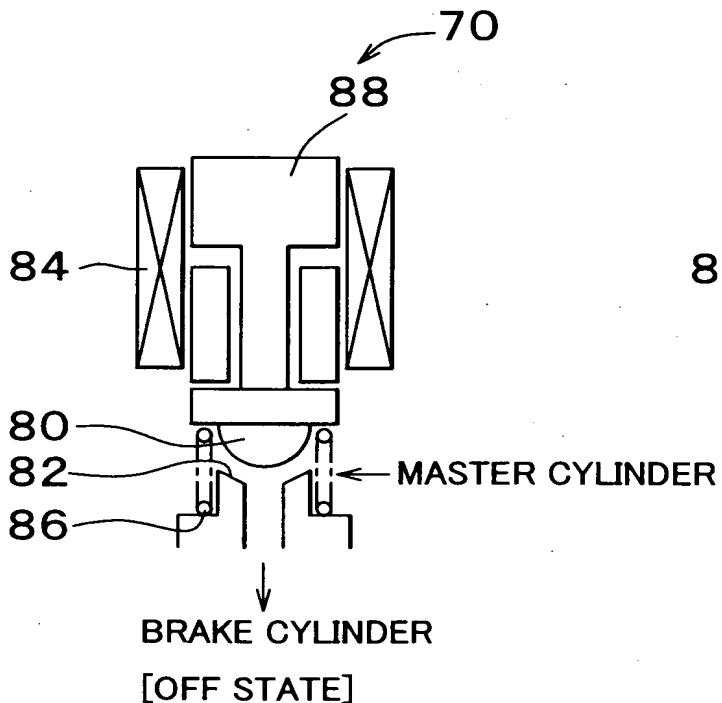


FIG. 2

(a)



(b)

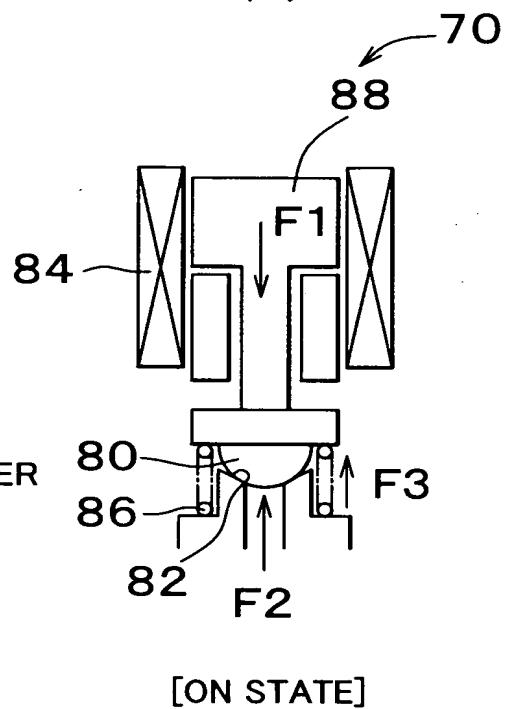


FIG. 3

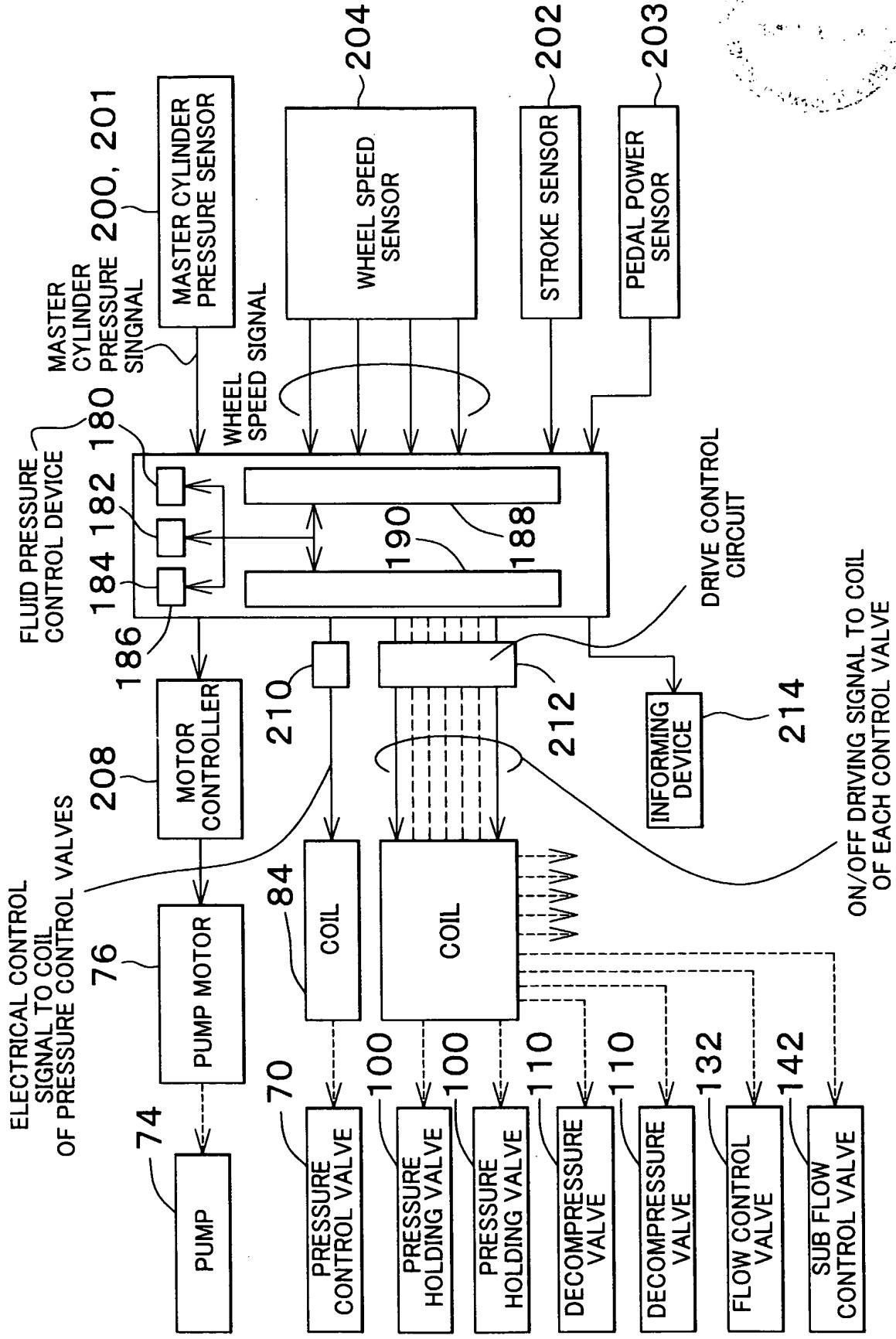


FIG. 4

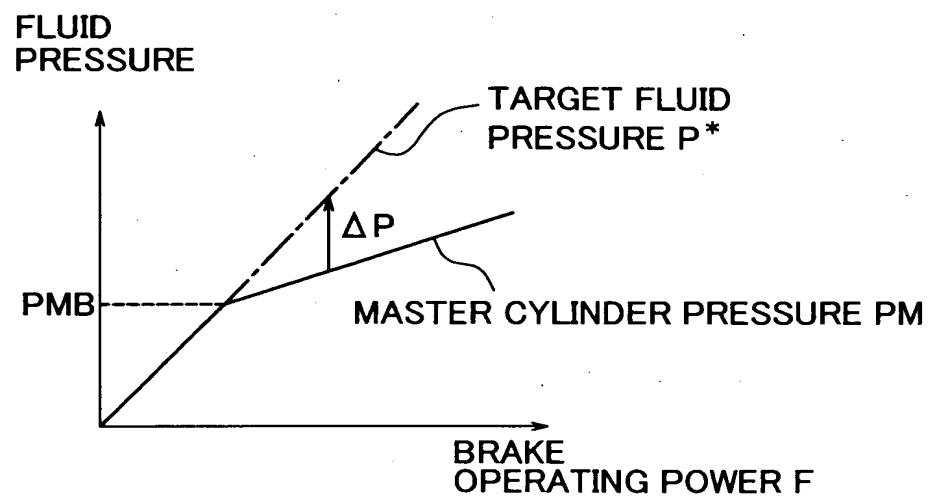
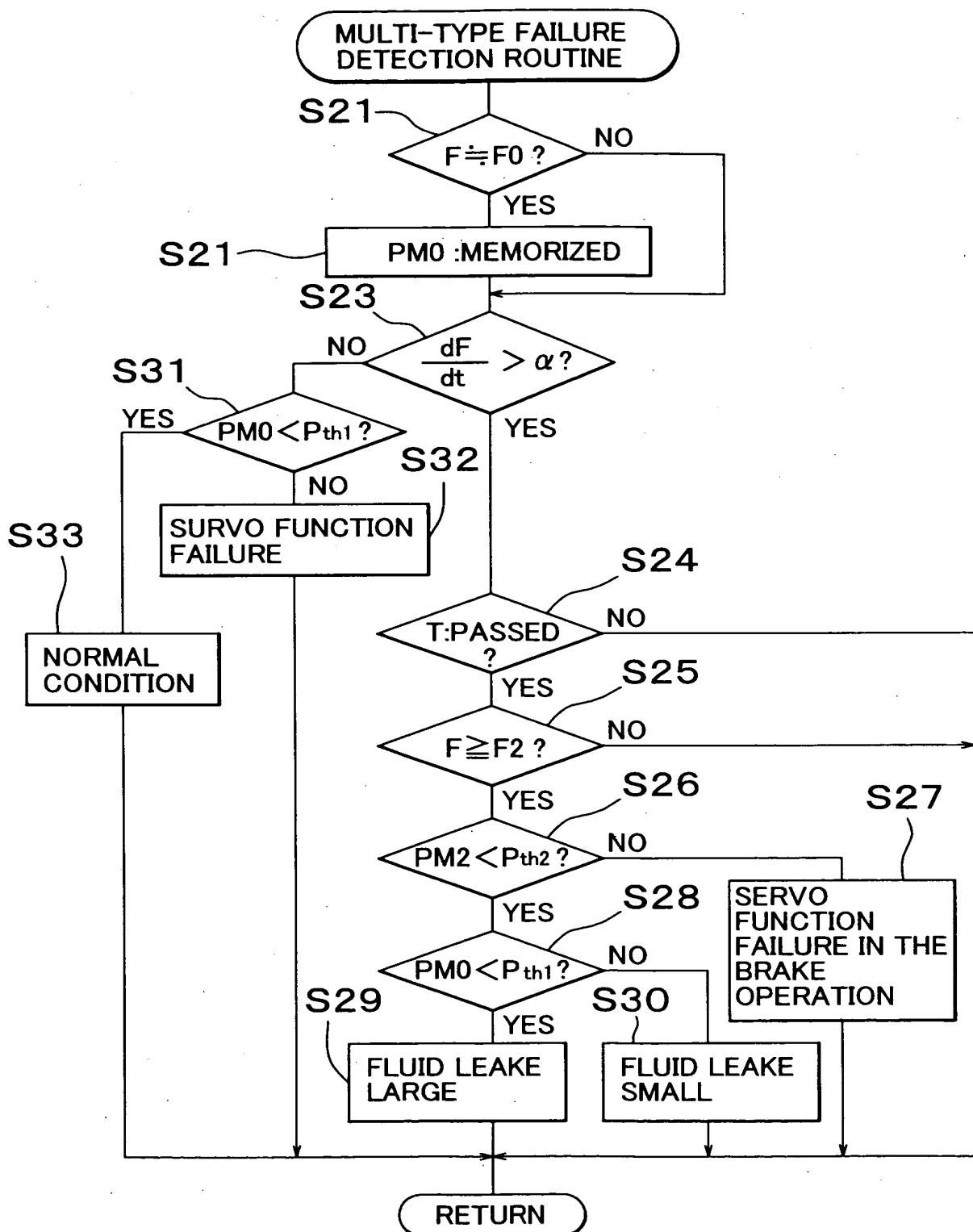


FIG. 5



F I G. 6

| | FLUID LEAK | | BOOSTER FAILURE | NORMAL |
|---|------------|-------|-----------------|--------|
| | SMALL | LARGE | | |
| $F = F_0 (F_0' \leq F < F_1)$ $PM_0 \geq P_{th1}$ | ○ | ✗ | ✗ | ○ |
| $F = F_2 (F_2' < F)$ $PM_2 \geq P_{th2}$ | ✗ | ✗ | ○ | ○ |
| BOTTOMING CONDITION DETECTED | ○ | ○ | ✗ | ✗ |
| BOTTOMING CONDITION $\frac{dPM}{dt} < \beta (\beta < 0)$ | ○ | ✗ | ✗ | ✗ |

○ : SATISFIED WITH THE LEFT CONDITION

✗ : NOT SATISFIED WITH THE LEFT CONDITION

FIG. 7

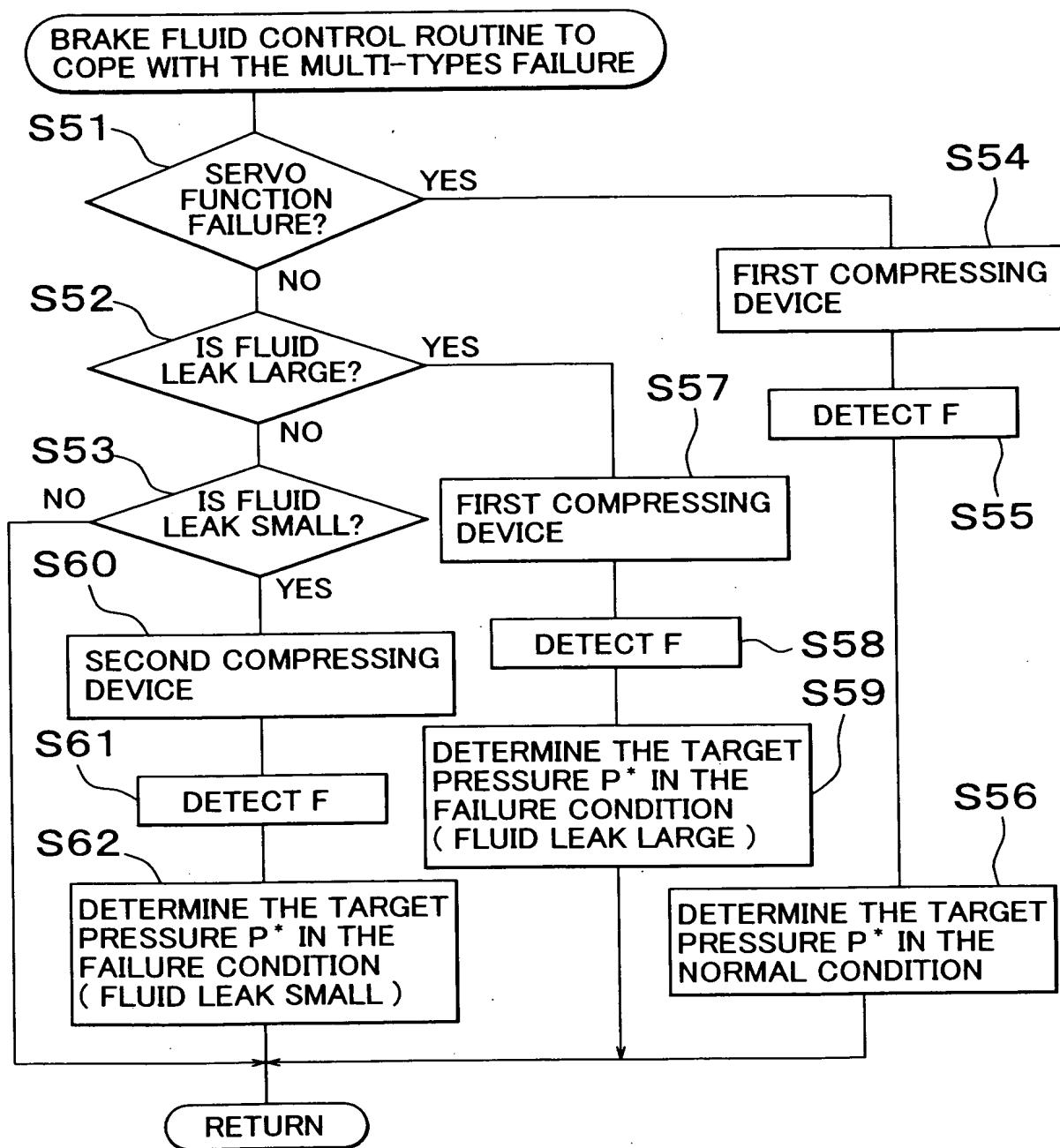


FIG. 8

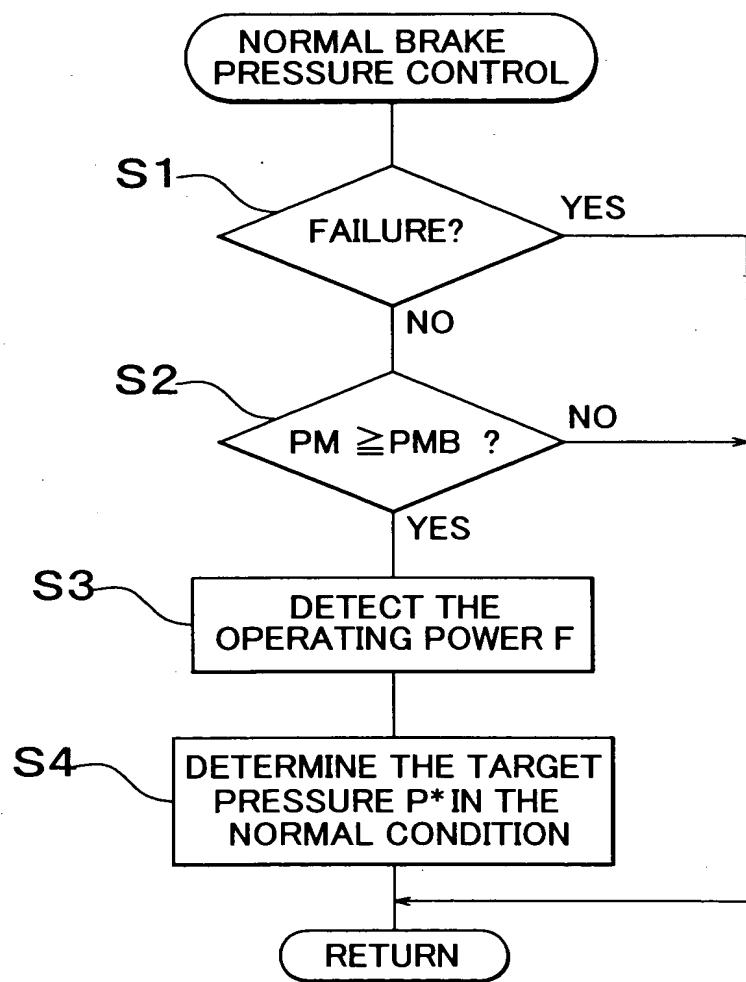


FIG. 9

MASTER CYLINDER
PRESSURE

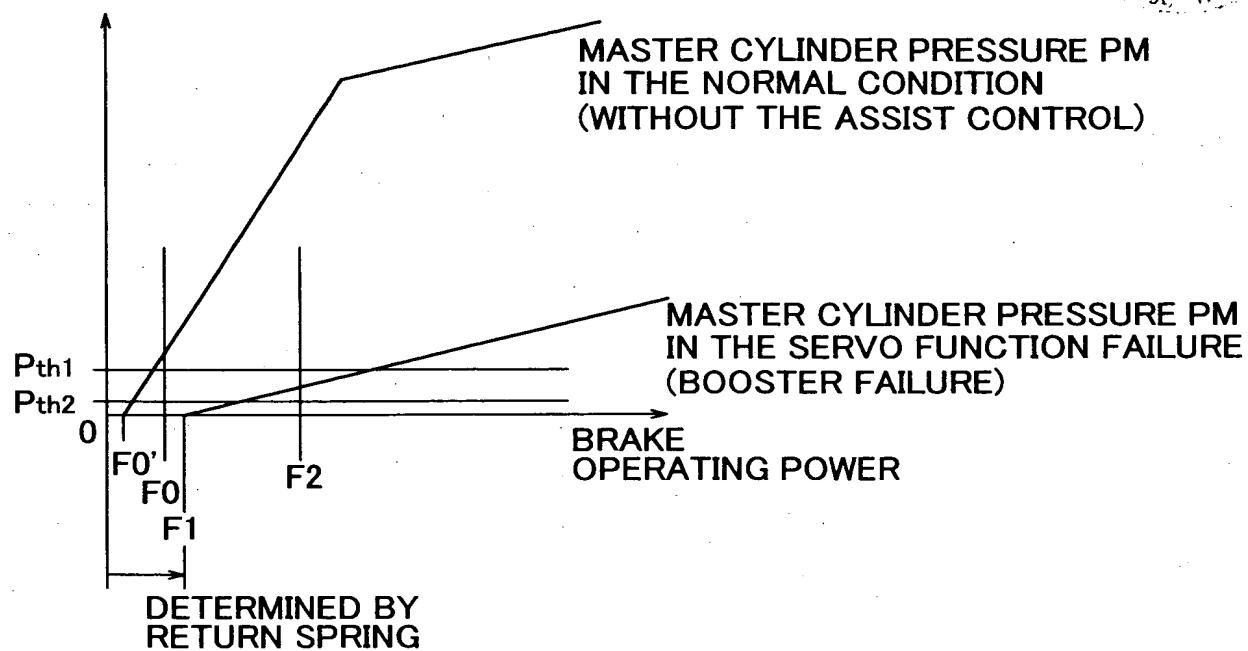


FIG. 10

POWER
(FLUID PRESSURE)

FLUID LEAK LARGE

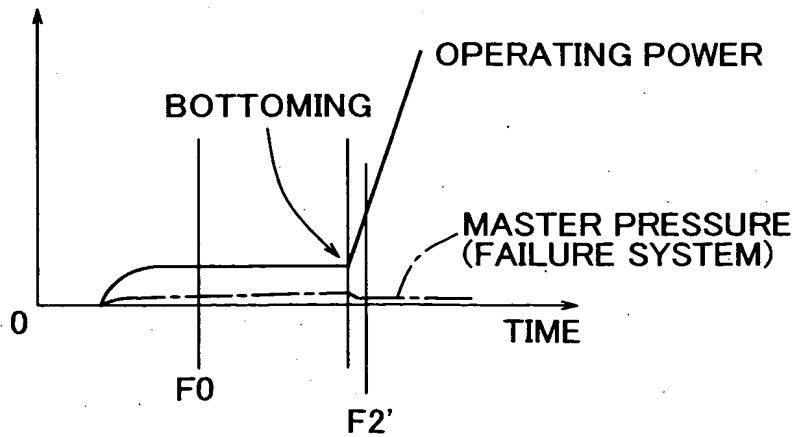


FIG. 11

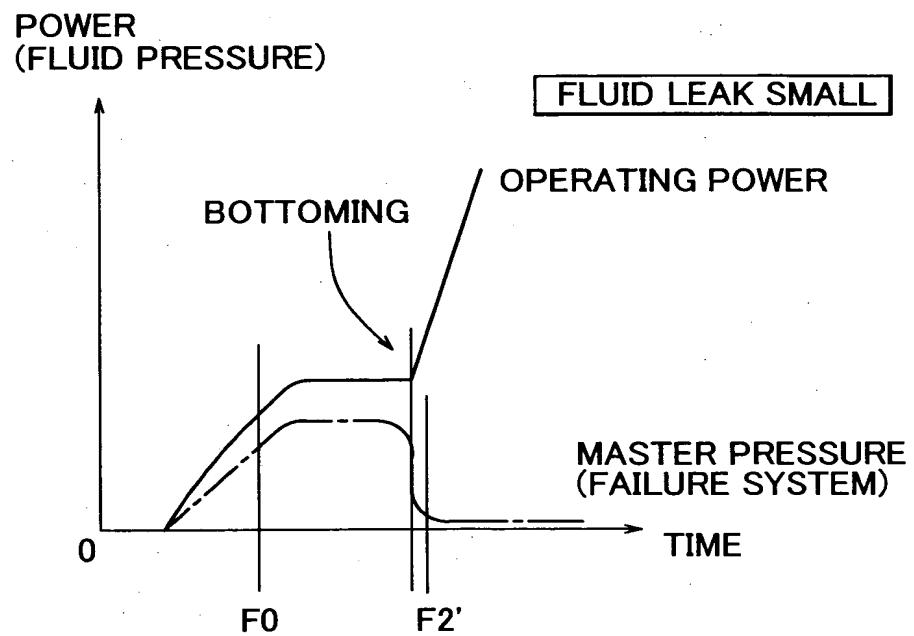
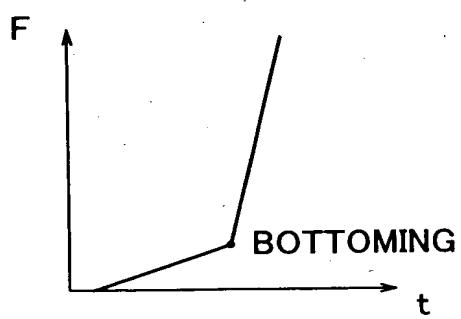
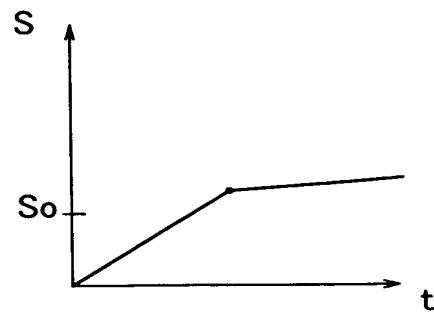


FIG. 12

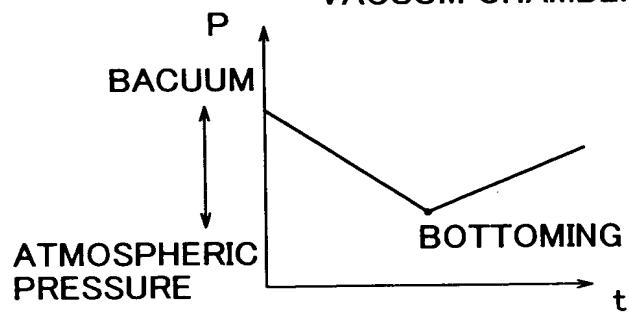
(a) OPERATING POWER



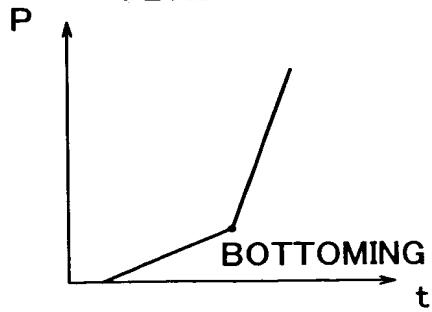
(b) STROKE



(c) PRESSURE OF VACUUM CHAMBER



(d) SYSTEM WITHOUT FLUID LEAK



(e) SYSTEM WITH FLUID LEAK

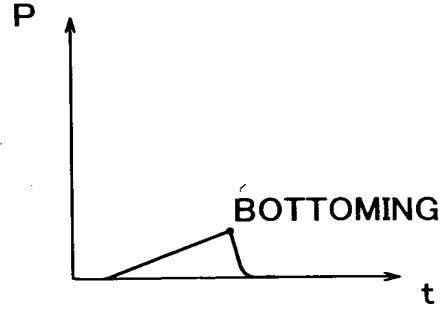
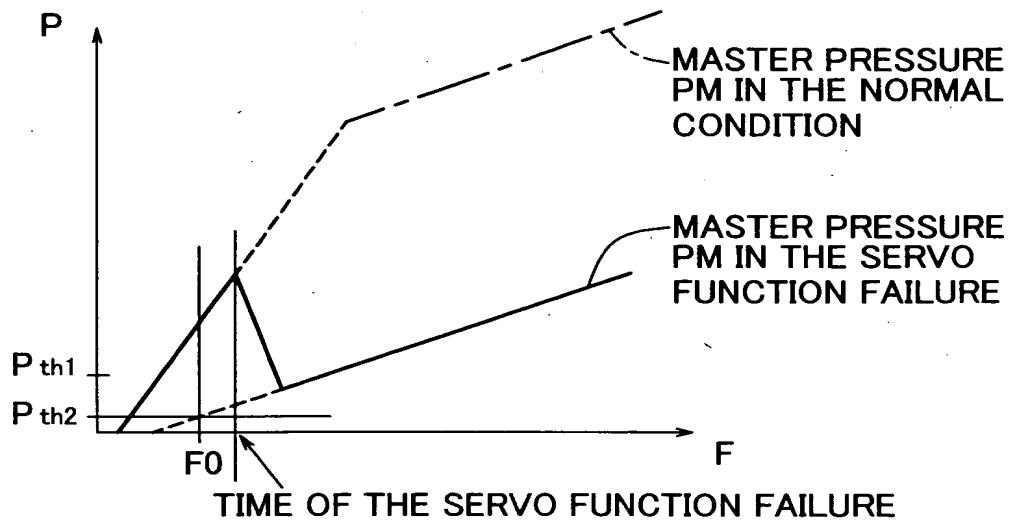
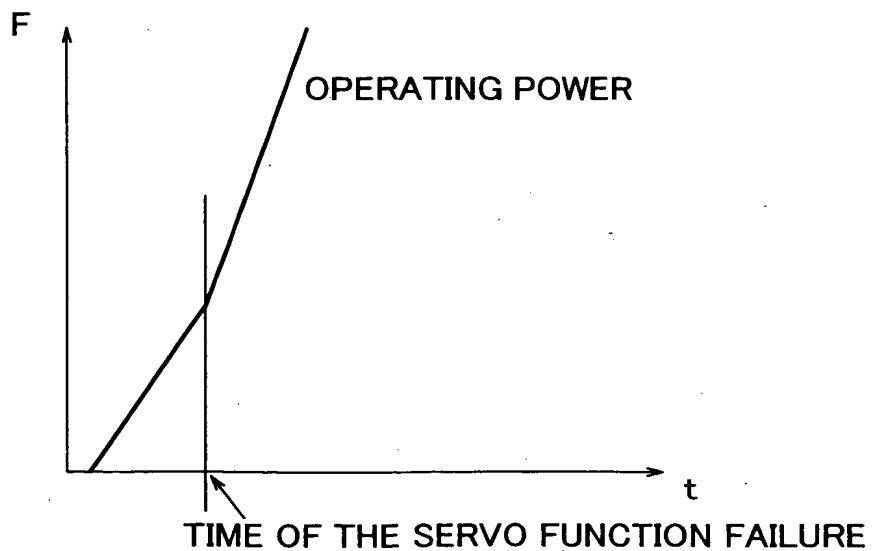


FIG. 13

SERVO FUNCTION FAILURE
IN THE BRAKE OPERATION



(a) CHANGE OF THE MASTER PRESSURE



(b) CHANGE OF THE OPERATING POWER

FIG. 14

